

WHAT IS CLAIMED IS:

1. An isolated nucleic acid molecule comprising a sequence encoding a polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NO:9 and SEQ ID NO:10.

2. An isolated nucleic acid molecule in accordance with claim 1 comprising a sequence encoding a polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NO:9.

3. An isolated nucleic acid molecule in accordance with claim 1 comprising a sequence encoding a polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NO:10.

4. An isolated nucleic acid molecule in accordance with claim 1 having the sequence of SEQ ID NO:1 or SEQ ID NO:2.

5. An isolated nucleic acid molecule in accordance with claim 4 having the sequence of SEQ ID NO:1.

6. An isolated nucleic acid molecule in accordance with claim 4 having the sequence of SEQ ID NO:2.

7. An antibody which specifically binds to a polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NO:9 and SEQ ID NO:10.

8. An antibody in accordance with claim 7 which specifically binds to a polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NO:9.

9. An antibody in accordance with claim 7 which specifically binds to a polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NO:10.

10. An antibody in accordance with claim 7 which is a monoclonal or a polyclonal antibody.

11. An antibody in accordance with claim 10 which is conjugated to a detectable moiety.

12. A method for the treatment of a subject in need of treatment for hypoxia or ischemia-related disease comprising administering to said subject a therapeutically effective amount of an antagonist of a protein having a sequence as set forth in SEQ ID NO:10, or an analogue thereof.

13. The method of claim 12, wherein the hypoxia or ischemia-related disease is stroke.